

19980428.ba v02_n033.bam.980428 v02_n034.bam.980428

>From ???@??? Tue Apr 28 10:29:06 1998
Message-Id: <199804281036.FAA07195@sco.theporch.com>
Date: Tue, 28 Apr 1998 05:33:14 CDT
Subject: BOATANCHORS digest 2033

BOATANCHORS Digest 2033

Topics covered in this issue include:

- 1) Value of Phasemaster 2A Xmtr
by sbrovas <sbrovas@tir.com>
- 2) RE: TECH MATERIAL TAC TUNER
by Bill Wilson <billo@internettpport.net>
- 3) \$30 for WRL map
by Doug Gordon <dmgordon@pacbell.net>
- 4) KW-108
by Ralph Parker <rparker@istar.ca>
- 5) Re: Grimeton on VLF
by Al Klase <skywaves@bw.webex.net>
- 6) Re: Grimeton on VLF
by Bill Jarvis <B.H.Jarvis@hw.ac.uk>
- 7) Slide/Rails
by "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
- 8) Re: Angry Nine OTA
by Dick Dillman <ddillman@igc.apc.org>
- 9) NOS Sprague Black Beauties FS
by Bill Wilson <billo@internettpport.net>
- 10) Knight Signal Generator
by "Charles Moody" <cmoody@brandons.net>
- 11) Johnson Viking Mobile Transmitter
by Bruce Muscolino <w6toy@erols.com>
- 12) Re: Angry Nine/WS48 OTA
by Dick Dillman <ddillman@igc.apc.org> (by way of Andre Guibert
<aguibert@sympatico.ca>)
- 13) Re: Trans-Oceanic T600
by "Larry Johnson" <k5yf@wt.net>
- 14) 390A, etc. manuals in .pdf format, any interest?
by Tom Norris <badger@telalink.net>
- 15) ESR Meter data
by gwoods@albany.net (Gary Woods)
- 16) Thanks for Sams info
by "Larry" <rau@wco.com>
- 17) Tecraft/ICM paucity--WTB
by MNHopkins <MNHopkins@aol.com>
- 18) "Titanic" frequencies
by Sandy W5TVW <ebjr@worldnet.att.net>

- 19) Re: Angry Nine OTA
by Ho4bart <Ho4bart@aol.com>
- 20) Re: Valves wanted
by Ethan <ethan@olywa.net>
- 21) More Farads!
by Dick Dillman <ddillman@igc.apc.org>
- 22) P6032 Tek Probe
by w7ni@teleport.com (Stan Griffiths)
- 23) Re: Angry Nine OTA
by Dick Dillman <ddillman@igc.apc.org>
- 24) Re: Black Beauties FS
by "Don L. Davis" <dxguy@earthlink.net>
- 25) More Farads...sometimes!
by Scott Robinson <spr@earthlink.net>
- 26) Re: Pacific Electronics Info Wntd.
by Ho4bart <Ho4bart@aol.com>
- 27) Re: More Farads!
by "Benjamin D. Hall" <kd5byb@WT.NET>
- 28) Re: ESR Meter data
by "Arden Allen" <gumbear@pacbell.net>

Message-ID: <3544F2BA.932@tir.com>
Date: Mon, 27 Apr 1998 17:03:54 -0400
From: sbrovas <sbrovas@tir.com>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Value of Phasemaster 2A Xmtr
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi All,

I recently acquired a pretty nice Lakeshore Industries Phasemaster II A Transmitter with the Band Hopper VFO and manual. The rig runs ssb, cw, AM with a 6146 final at about 65 watts. It is in overall exc-
condition.

I have never heard of this rig before. Any idea as to the popularity and value of the new toy.

Tnx es 73's de Bill, WA1APX/8

Message-ID: <3544F018.DE0F6D1@internettpport.net>
Date: Mon, 27 Apr 1998 15:52:41 -0500
From: Bill Wilson <billo@internettpport.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: TECH MATERIAL TAC TUNER
Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Greetings to the list,

In response to Eugene's post about the TAC-1 I can add the following information:

ARRL 1957 Handbook, back ad section has a complete listing of the Tech Material line.

The TAC is listed and described below:

The model TAC antenna tuning unit matches the 70 ohm unbalanced output of a radio transmitter to balanced or unbalanced loads ranging from 50 ohms to 1200 ohms over the frequency spectrum 2 to 30 MCS.

The tuning unit incorporates a unique, continuously variable, contact type inductance with switched taps to control the loading of the transmitter over the frequency range. Capacitor spacing and teflon insulation prevents flash-over. Frequency range: 2 to 30 MCS. Input impedance: Nominal 75 ohms unbalanced. Output impedance: 50 to 1200 balanced or unbalanced. RF power rating: 1000 watts input.

It probably went with the Tech Material transmitter, GPT-750, which had a range of 2 to 32 MCS and output on CW was 1000 watts. A robustly built thing if I might add. I picked one up recently and have been quite pleased with it. The schematic is underneath the lid of the tuner. A mod for 160 is included on the tuner here. It is a vacuum cap with a slide switch to switch it when operation on 160 is needed. I have the tuner here connected to ladder line going to a 210 foot doublet....it tunes every band with no problems, a little touchy on 75 meters. It's nice to have a true balanced output tuner (no balun needed) with RF amp meters in the BA shack. IMHO, the best BA tuner ever made.

Regards,

Bill
W4BIZ
Jacksonville, Al.

Message-ID: <3545141E.7808FC31@pacbell.net>
Date: Mon, 27 Apr 1998 16:26:23 -0700
From: Doug Gordon <dmgordon@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: \$30 for WRL map
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello WRL fans,
I am desperate! Will pay \$30 for WRL map from mid-50's with Leo's smiling countenance and all 10 call areas. Want original but will take Kinko's poster size repro if I must to put behind my original Globe Scout station from the fifties. My old map was lost in a fire. I don't want any other type map, ONLY WRL. :-) 73, Doug K6AKK

Message-Id: <3.0.5.16.19980427163048.08c751ea@istar.ca>
Date: Mon, 27 Apr 1998 16:30:48 -0700
To: Old Tube Radios <boatanchors@theporch.com>
From: Ralph Parker <rparker@istar.ca>
Subject: KW-108
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Hi Gang:
All this talk about KW equipment reminds me that I have a KW-108 monitorscope for which I would like to have at least a schematic. Anyone suggest where to look, or perhaps have one to copy for me?
TIA,
73, Ralph, VE7XF

Message-ID: <35451A5B.24086332@bw.webex.net>
Date: Mon, 27 Apr 1998 19:52:59 -0400
From: Al Klase <skywaves@bw.webex.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Grimeton on VLF
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Ed,

I have an HP-312A I've put to similar use. I've tried loops and active antennas, but the 100ft random wire always seemed better. Perhaps, because it's farther from the house on an average.

Al

Ed Santavicca wrote:

>
> I'm interested. I have a Bruel & Kjaer selective frequency
> meter that I could use to tune in 17.2kc. I'll have to do
> some research into what antenna config would work best for VLF.

> Maybe I'll find something @ Dayton to use.
>
> 73
> Ed Santavicca
> AA8TV
> santavic@ct.picker.com
>
> On 27 Apr 98 at 14:10, Al Klase wrote:
>
> > Anchorites,
> >
> > I'm planning on making a concerted effort to hear the Alexanderson
> > alternator transmission on 17.2 KC from SAQ in Grimeton Sweden on 28
> > May. I made an attempt the last time but couldn't hear them at all. I
> > can hear WWV on 60KHz and several RTTY sigs in the 20KHz region from my
> > reasonably quite Western NJ QTH. I could also hear Omega when it was
> > still on the air.
> > My current plan is to take the HRO-500 mobile and try closer to the
> > ocean. Does anyone have any experience in these matters? Anyone have a
> > quiet place at the shore? Anyone want to become a coconspirator?
> >
> > Share you thoughts,
> > Al
> >
> > --
> > Al Klase - N3FRQ
> > skywaves@bw.webex.net
> > Flemington, NJ 08822
> > Web Page: <http://www.webex.net/~skywaves/home.htm>
> >
> >

--
Al Klase - N3FRQ
skywaves@bw.webex.net
Flemington, NJ 08822
Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-Id: <199804280000.BAA12108@punt2.hw.ac.uk>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
From: Bill Jarvis <B.H.Jarvis@hw.ac.uk>
CC: boatanchors <boatanchors@theporch.com>
Date: Wed, 29 Apr 1998 01:00:10 +2300
Subject: Re: Grimeton on VLF

On 1998-04-27 santavic@ct.picker.com said:

```
>I'm interested. I have a Bruel & Kjaer selective frequency
>meter that I could use to tune in 17.2kc. I'll have to do
>some research into what antenna config would work best for VLF.
>Maybe I'll find something @ Dayton to use.
>73
>Ed Santavicca
>AA8TV
>santavic@ct.picker.com
```

If time permits I'll be trying a ferrite rod with lots of turns and a rather large C, rather than aim anywhere near half a wavelength with wire...

=====

GM8APX, qthr

=====

=====

BILL J.

=====

=====

Edinburgh, Scotland, UK

=====

Iti sapis potandi tisa bigone

Net-Tamer V 1.11 - Registered

Message-ID: <35452039.19AF1702@concentric.net>
Date: Mon, 27 Apr 1998 17:18:01 -0700
From: "Lloyd A. Scott, Jr." <wpul1130@concentric.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Slide/Rails
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings All: I am looking for slides and Rails for the Collins R-390A and Harris RF-550. I need some sort of support for these two radios in a new rack cabinet
I just purchased. Any help will be appreciated. Thanks in advance
Lloyd

Date: Mon, 27 Apr 1998 17:08:53 -0700 (PDT)
Message-Id: <2.2.16.19980427170740.3a0fae26@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Re: Angry Nine OTA

At 03:48 AM 4/27/98 EDT, Ho4bart wrote:

>---it occurred to me, and this is purely dreaming, at this point,

>that Vintage Field Day might be a opportune venue to do some
>recruiting too. not necessarily on the real Field Day, maybe to
>coincide instead with some other historically important day.
>with a note to the local newspaper that historic radio
>communications and Morse Code equipment would be demon-
>strated. a chance to interest perhaps, some of the next generation
>of potential conservators. and, some of this gear is pretty visually
>interesting, as we do know, such as the Handie Talkie (BC-611),
>the Horsey Talkie (SCR-511), TBX, Mk 2 No. 19 with the russian/
>english markings, the GRC-9 with those racy roll bars, the mansize
>RAL, and on, and on.... oh and regular vintage hamgear too, sets
>that light up real good....

Racy roll bars indeed, sir!

Based on my two recent experiences with the use of antique military gear in public areas I must agree with Hue. I would not have believed it if it hadn't happened repeatedly but the public actually does seem to like the idea of this stuff being used, especially on Morse.

Plus with the GRC-9, TBX and the like there's the opportunity for the public to participate by cranking the appropriate generator. And again, I wouldn't have believed it if I hadn't seen it but they were lining up to sweat bullets by cranking the GN-58 at the Presidio. Of course we would want to have a Polaroid camera available to snap 'em in the act and give 'em the picture as a memento. I have a shot of the park historian at the Presidio, in uniform complete with his Smokey hat, sitting on the little seat, cranking like mad and smiling!

Ideally there should be an explainer on duty who can describe each set and what the operators are doing as they're busy pounding out lusty salvos of Morse on their leg keys.

I say let's do it!

73,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-ID: <35452E3D.76563605@internettport.net>
Date: Mon, 27 Apr 1998 20:17:50 -0500
From: Bill Wilson <billo@internettport.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: NOS Sprague Black Beauties FS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings,

Yes, the capacitors everyone loves to hate, NOS Difilm Sprague black beauties:

2 ea. .005 @ 600 volts
6 ea. .006 @ 600 volts
2 ea. .015 @ 600 volts
6 ea. .068 @ 600 volts
1 ea. .002 @ 600 volts
2 ea. .0039 @ 600 volts
1 ea. .033 @ 600 volts
1 ea. .004 @ 600 volts
1 ea. .1 @ 600 volts
4 ea. .22 @ 600 volts
4 ea. .005 @ 600 volts
4 ea. .03 @ 600 volts

\$14 for all, includes shipping. Considered the "scurge" of the universe these caps need a good home. BTW, They all come in original Sprague plastic boxes.

Thanks,

Bill
W4BIZ
Jacksonville, Al.

Message-ID: <002501bd7246\$cfd100a0\$63a031cc@cmoody>
From: "Charles Moody" <cmoody@brandons.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Knight Signal Generator
Date: Mon, 27 Apr 1998 20:41:41 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

Some how I lost the message that said there was an Eico and Knight RF signal generator for sale. If whoever promulgated that message still has the Knight signal generator, please advise me as to what you'd like to get for it. Does it have a manual and does it appear to have been put together well? Thanks, Charles, N4PI

Date: Mon, 27 Apr 1998 21:58:38 -0400 (EDT)
Message-Id: <2.2.16.19980427215022.213f45bc@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Bruce Muscolino <w6toy@erols.com>
Subject: Johnson Viking Mobile Transmitter

Can anyone give me a fair estimate of the value of one of these -- mine is in excellent cosmetic condition. I've had it since before Hector was a pup -- maybe since the early 70s. It's been in a box almost all of that time. I think I'd like to see a different picture when I look at the shelf now!

73 and thanks in advance

Date: Mon, 27 Apr 1998 22:00:42 -0400 (EDT)
Message-Id: <199804280200.WAA18307@smtp11.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org> (by way of Andre Guibert <aguibert@sympatico.ca>)
Subject: Re: Angry Nine/WS48 OTA

Bonsoir Hue, Dick and esteemed others

Had the same experience on Open Day at Canadian Ordnance Depot in Montreal.

Had a WS1(1937) without its case, was often told that it was the first time that they could see components live, they had seen them only in pictures.

One thing funny happened, they were bragging about their latest sand sets when the batteries died on them, the WS48 with its hand crank generator and its operator with the key strapped to his leg kept on.

Amazing to crank and send/receive Morse.

Done similar shows at schools, the kids find it cool to

generate power for the radio.
Had to disqualify myself at antique radio shows, peoples
were "blase" after seeing so many household models.
They can touch things that they had seen only in movies.
Andre

From: "Larry Johnson" <k5yf@wt.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Trans-Oceanic T600
Date: Tue, 28 Apr 1998 02:16:54 -0000
Message-ID: <01bd724b\$b639d900\$ae15ecd0@k5yf>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Not a joke at all. Antique Electronics Supply has the sams photofacts for
this radio. \$6 will get you the schematic, parts list, and how to restring
that bloody dial cord <g>

They also have the tubes. The 1L6 is a bit pricy, at \$30, but the rest are
around 3-5 bux. The 600 also has the 50A1 regulator tube in it, difficult to
find. But AES has the solid state replacement, looks like an opaque tube and
plugs in like a tube.

Did see one suggestion the other day re ZT0s, when you first fire them up,
to use a 1R5 instead of the 1L6 for testing...that way if you have a voltage
or pwr supply problem, you blow a cheap tube. (I blew one, not fun....but
better than when I dropped the brand new 4-400A) Note the 1R5 doesn't work
well on the higher bands, ideally you want the 1L6. You have to remove one
of the pins. If you need, let me know and I'll look it up...I have it in my
files somewhere. There's also a web page out there (I can give you the url
if you want) re a ss replacement for the 1L6. But the real thing is much
nicer. AES also has the ZT0 book by Bryant and Cones (\$25) on ZT0s, a great
book, excellent pictures and writing on the history of Zenith and the ZT0s
if you're so inclined and want to know more about the ZT0.

My B600 is mint...would rate it a 10...and I love it. I have it playing
every night in the shack.

Larry Johnson, K5YF
Houston, Texas USA
e-mail: k5yf@wt.net

-----Original Message-----

From: Henshall, Steve <Steve_Henshall@heald.edu>

To: Old Tube Radios <boatanchors@theporch.com>

Date: Monday, April 27, 1998 18:56

Subject: Trans-Oceanic T600

Hi Gang,

Well the new toy arrived from Nova Scotia today and I need schematic and a manual if possible. Anyone got one you could spare or copy? Any suggestions on where to get these items would be appreciated. I could use replacement knobs for (tuning) and (on/off vol). I also wouldn't mind picking up a spare 1L6 or is that the joke of the day????

Thanks for any help.

Steve

Message-Id: <3.0.5.32.19980427213255.0091a100@mail1.telalink.net>

Date: Mon, 27 Apr 1998 21:32:55 -0500

To: Old Tube Radios <boatanchors@theporch.com>

From: Tom Norris <badger@telalink.net>

Subject: 390A, etc. manuals in .pdf format, any interest?

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

Been playing with Adobe Acrobat, and for fun have scanned a couple manuals -- the manual for the CV-591A, and TM 11-856A for the R-390A (except for the full schematic, which I will do eventually).

The CV-591A is 1.6 megs and the R-390A (when finished) will be a disk crushing 50 megs more or less.

These files are bookmarked and fully text-searchable. The 390A manual includes high resolution halftone photos from the manual for readability.

Will take requests as to what to scan next -- I have a photocopy of the 390 non-A, originals of the PRC-47, GRR-5 set, GRC-19, and a few more.

These are available via email as an attachment if anyone is interested.

Dont have a site to put these, especially the large R-390A manual.

73

Tom Norris KA4RKT
badger@telalink.net

NOTE: These are in no way connected with or meant to compete with the CD's available from Radio Era Archives. These are fresh scans of the government manuals or copies thereof.

From: gwoods@albany.net (Gary Woods)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ESR Meter data
Date: Tue, 28 Apr 1998 02:52:38 GMT
Message-ID: <354c434f.16612346@news.monmouth.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks to a friend with a scanner, ESR meter schematics, theory of operation, and sales literature (From a company that, alas, no longer exists) are on my personal page, in the sig below.

Boatanchor relevance- although the device is sand-state, it's just the ticket for checking out those old 'lytics!

--
Gary Woods O- K2AHC Public key at www.albany.net/~gwoods, or get 0x1D64A93D via
keyserver
gwoods@albany.net gwoods@wr gb.com
fingerprint = E2 6F 50 93 7B C7 F3 CA 1F 8B 3C C0 B0 28 68 0B

Message-Id: <199804280313.UAA21262@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Thanks for Sams info
Date: Mon, 27 Apr 1998 20:07:32 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

My thanks to several who took time to write... setting me straight on the value (or lack thereof) of the bound Sams Photofacts (25 volumes).

Opinions varied from \$ 200 down to worthless...(isn't that what they used to say about tube radios ?)

anyway.. i would consider any offer of something green or radio like in trade.

Otherwise i guess they will be ballast against the next earthquake.

73 W6WUH

From: MNHopkins <MNHopkins@aol.com>
Message-ID: <7dcfc3ad.35454c18@aol.com>
Date: Mon, 27 Apr 1998 23:25:11 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Cc: qrp-1@lehigh.edu
Mime-Version: 1.0
Subject: Tecraft/ICM paucity--WTB
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

I roamed the undertable offerings at the Belton, Texas hamfest after a friendly soul took W5FRS and I from the scene of my old van's thrown rod to the front door, but no receive converters or such were seen. Alas, 'twas ever thus.

I know that stuff is out there. Tecraft, the converter and transmitter folks made several items from '53 to '63 and International Crystal (ICM) made just about everything at one time or another. I am carrying on a years long study of both companies and holding such equipment as I have been able to glean from garbage pails in trust -- an easy task in trust-friendly Texas.

I want to buy:

Things that say Tecraft or International Crystal on them, and, especially, literature related to same. The ICM catalog a prime example.

Condition is unimportant. I learn something new from EVERY Tecraft converter and or TX I see. They seem to have made no two the same way.

This stuff won't get any more valuable. In fact, it is not valuable at all. Folks just say "no one would want that" and leave it home or toss it. Hope you will give me a chance at it first.

In my study I have happened on information about many other types of receive converters, by the way, and some examples of same. The Ameco CN-series with the Nuvistors is the most practical user now, but the Tecraft

Criterion is a little more upscale. I have literature on both plus the ICM FCV-1 and FCV-2, should anyone need same. I even had a Centimeg 432 converter, but WA5VJB, Kent Britain, the columnist for CQ VHF took it away from me to run in as a ringer at the next Cantral States VHF conference noise figure contest. It measures in the 4s, but hey, it came out so long ago that it outputs to 10 AND 11 meters.

73 de ab5L, michael in dallas, student of Tecraft and International (ICM) ham products and mementoes of Six Meters' Golden Age: 1957-58

Michael Hopkins

Box 226841

Dallas, TX 75222 MNHopkins@AOL.com

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: Old Tube Radios <boatanchors@theporch.com>

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: "Titanic" frequencies

Date: Tue, 28 Apr 1998 03:29:02 +0000

Message-ID: <19980428032859.AAA1222@LOCALNAME>

Does anyone have any documentation as to what distress frequency or wavelength the Titanic and the Corpathian were using during the ill-fated incident?

I think the 500 Khz. (600 meter) channel was mandated after the disaster. Also 143 Khz. was used for a calling channel but I have no data as to whether it was used for distress or not.

Does anyone have any documantation that sheds light on this?

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

***Again looking for a Hallicrafters SR-75 ***

860 Hartley 'ECO' construction "on hold"*

*** Looking for a TRC-10 transceiver *****

*** Looking for an RAL receiver *****

From: Ho4bart <Ho4bart@aol.com>

Message-ID: <1ae0d743.35455864@aol.com>

Date: Tue, 28 Apr 1998 00:17:39 EDT

To: Old Tube Radios <boatanchors@theporch.com>

Mime-Version: 1.0

Subject: Re: Angry Nine OTA

Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-04-27 20:40:07 EDT,
ddillman@igc.apc.org writes:

> Ideally there should be an explainer on duty who can describe
> each set and
> what the operators are doing as they're busy pounding out lusty
> salvos of Morse on their leg keys.

---while we're brainstorming (and we don't have to do this,
"tomorrow") how about this also: a cw reader attached to
the rec output, so the viewers could see the letters coming
across? or would that diminish the arcane skill factor?
and, maybe a key simulator, rigged with a solenoid, so the
visitor could feel what it feels like to send cw, with the
visitor's hand on the key, it moves in step with the operator's
sending? then to be switched out of "slave", so the visitor
can actually practice an easy letter or two?
hue

Message-ID: <35454F99.A55B897@olywa.net>
Date: Mon, 27 Apr 1998 20:40:09 -0700
From: Ethan <ethan@olywa.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
CC: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Valves wanted
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

BEN NOCK wrote:

>
> I'm in need of a VT-50 and two VT-51 ??
>
> anyone got spares ?
>
> Ben, G4BXD.

Ben,
VT-50 = 50 - you're gonna need some good luck there! They're quite
expensive. What do you need them for? I have some that are slightly weak
for use by a "golden ear", but would likely work fine in an old radio.

VT-51 = 841 - a very attractive tube IMHO, inexpensive. I've never
looked at its specs- anyone know why it's not well suited for audio use

(the obvious reason *why* it's inexpensive)?

Ethan

Date: Mon, 27 Apr 1998 21:38:29 -0700 (PDT)
Message-Id: <2.2.16.19980427213715.0f47ba70@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: More Farads!

When replacing the filter condensers in a BA receiver must they be replaced with new units of about the same value of capacity? Is there any reason not to install units of, say, double the capacity of the originals or more? Is there any advantage to doing so?

Regards,

Dick

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Date: Mon, 27 Apr 1998 21:46:26 -0700 (PDT)
Message-Id: <199804280446.VAA22069@mail1.teleport.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: w7ni@teleport.com (Stan Griffiths)
Subject: P6032 Tek Probe
Cc: boatanchors@theporch.com

>
>
>sorry for the missprint
>quick question
>

>what was the tektronix p6032CF used for,
>what are the specs(bandwidth,capacitance,etc.)
>please,please reply in haste

Hi Mohammed,

The P6032 was used on Tek sampling instruments such as the type 1S1, 3S1, 4S1, 4S2, or 4S2A to isolate the 50 ohm input resistance of those plugins from the circuit. The input resistance of the P6032 is 10 Meg ohms with any of the attenuator heads installed. The bandwidth of the P6032 is DC to 800 MHz.

Stan w7ni@teleport.com

Date: Mon, 27 Apr 1998 22:01:35 -0700 (PDT)
Message-Id: <2.2.16.19980427220022.42979be0@pop.igc.org>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Dick Dillman <ddillman@igc.apc.org>
Subject: Re: Angry Nine OTA

At 12:17 AM 4/28/98 EDT, Ho4bart wrote:

>---while we're brainstorming (and we don't have to do this,
>"tomorrow") how about this also: a cw reader attached to
>the rec output, so the viewers could see the letters coming
>across? or would that diminish the arcane skill factor?

The Morse reader would probably be fun but I worry that it will look to the non-radio obsessed observer like all the other displays he or she as seen. In my admittedly short experiences so far it seemed to impress them most when when I stared off into space as the radio was beeping away and then turned to them and said "he sez he's in Portland and it's raining like mad up there" or some such. It seemed like they really enjoyed seeing a human actually copy the stuff in his head.

>and, maybe a key simulator, rigged with a solenoid, so the
>visitor could feel what it feels like to send cw, with the
>visitor's hand on the key, it moves in step with the operator's
>sending? then to be switched out of "slave", so the visitor
>can actually practice an easy letter or two?

Oh, yeah. I don't think you can miss with that. I remember there was some museum somewhere - the Science Museum in London, perhaps? - where they had Morse keys set up. In fact they had several at least one of which demonstrated what spark sounded like, another with a pure tone, etc. The keys were always busy and they were just sitting there with no one to really

explain what they were about. You wouldn't have to go that far but I bet a nice, tube type CPO (like the AMECO staring at me right now with a very interested expression) with a straight key and maybe a bug hooked up to it would be quite popular. You could easily show each person how to send SOS and maybe their name for those who looked interested.

It would be the kind of thing most people would find diverting and some would find really interesting. But for one or two kids it might be just the thing they'll always remember as the start of a lifelong fascination - as similar events were for many of us.

I propose that those of us planning to participate in Vintage Field Day, which I have marked as the weekend of 13 June, make a real effort to include public involvement in our fun.

Dick Dillman
<ddillman@igc.apc.org>
WPE2VT W6AWO
Collector Of Heavy Metal:
Harleys, Willys and Radios Over 100lbs.

Message-ID: <354577A1.4C81@earthlink.net>
Date: Mon, 27 Apr 1998 22:31:31 -0800
From: "Don L. Davis" <dxguy@earthlink.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Black Beauties FS
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

After spending about 8 hours replacing Black Beauties (some shorted, most cracked, and all the rest leaking badly) and several burned resistors in a newly acquired SP-600, I went through my cap collection & chucked a few hundred of these in the trash (Black Beauties that is - not SP600s). About half were brand new.

If anyone buys Bill's Black Beauties here's the tip for installing them in your radio:

Cut the leads off.
Install in .410 shotgun cartridge blank.
Load into single shot .410 shotgun.
Aim at radio for intended installation.

Pull trigger.

Repeat as required, until the requisite number of capacitors has been "installed". This will save a lot of time, and cuts through the bothersome decisions re: placement, tack-in, un-wrap old leads, etc.

73s Don Davis DXGUY@earthlink.net

PS Don't try this at home!

Message-Id: <v03007801b16b33118d5c@[153.37.248.170]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Date: Mon, 27 Apr 1998 23:23:05 -0800
To: Old Tube Radios <boatanchors@theporch.com>
From: Scott Robinson <spr@earthlink.net>
Subject: More Farads...sometimes!

Dick and the gang,

Generally more is fine. There is one important exception, and that's the input filter cap in a capacitor input filter system, the kind that 90% of BAs and other small electronics use.

The ripple waveform is reduced with a larger input cap, but a side effect is that that capacitor charges in a shorter time (near the peak of the AC sine wave). This means that a larger peak current flows for a shorter time, and rectifier tubes have specific limits on this sort of thing. The tube manual usually gives a maximum value of input filter cap for the rectifier in question, and it depends also on the DC resistance of the tranformer windings, lower resistance meaning higher peak currents.

I think the lowest I remember is for a 5Y3 (or 80, same thing in a different package) and they wanted no more than 10 uF (or maybe 16) at the input.

After the first choke, or resistor, or speaker field, more is definitely better. It's just the input one you have to think carefully about.

Yours for long tube life,

Scott Robinson
spr@earthlink.net

Junque is GOOD for you!

From: Ho4bart <Ho4bart@aol.com>
Message-ID: <c874c73.35458ba3@aol.com>
Date: Tue, 28 Apr 1998 03:56:18 EDT
To: Old Tube Radios <boatanchors@theporch.com>
Mime-Version: 1.0
Subject: Re: Pacific Electronics Info Wntd.
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

In a message dated 98-04-08 14:00:23 EDT,
scb@mail.internettport.net writes:

> I'm still looking for info on Pacific Electronics(PECO) of Spokane, Wa.
> Specifically, info and alignment(or at least IF freq) instruction for
> 610A troop entertainment reciever. This odd but elegant little box
> has become one of my fave casual recievers

---i don't have anything on PECO, but it occurred to me that Spokane is
not that big a place, and maybe the Spokane manufacturers thru the
1930s and 40s kind of merged into each other. so far, here are the firms
i am aware of:

mid 1930s: Spokane Radio Company -- catalog seller of ham radio
equipment, also had a couple cw transmitter kits with 1 or 2 tubes each.

late 1930s (ca 1938) thru 1943? Spokane Radio Company --
manufacturer of Forest Service radios, and during the war built an
increased number of these for the USArmy, in case of possible Japan
success with incendiary warfare against Pacific Northwest forests

WW2 years (probably only the later, less panicky years 1943-45)
PECO

ca 1947 'Hospital Radio' with pillow speaker, made by some firm with
name like "Sonotronics" or some such (i can get exact name.)

probably, it would be necessary to to some research in the city records
and library.

hue

Message-Id: <3.0.32.19980428004527.007f5c00@mail.wt.net>
Date: Tue, 28 Apr 1998 03:01:35 -0500
To: Old Tube Radios <boatanchors@theporch.com>

From: "Benjamin D. Hall" <kd5byb@WT.NET>
Subject: Re: More Farads!
Cc: BoatAnchors@SCO.ThePorch.Com
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>When replacing the filter condensers in a BA receiver must they be replaced
>with new units of about the same value of capacity? Is there any reason not
>to install units of, say, double the capacity of the originals or more?

Hello Dick and rest of the list... One place that might be a problem is
the first capacitor of a capacitor-input power supply filter. Too large a
capacitor here could require too much surge current thru the rectifier
tube, exceeding it's ratings. Terman describes how to calculate surge
current if I remember correctly...

73,
Ben

Benjamin D. Hall, KD5BYB, Engine and radio collector / operator.
Located in Houston, Texas, USA.
e-mail: kd5byb@WT.net, web: ***down for refurbishment***
"An ye harm none, do what ye will."

Message-Id: <199804281032.DAA20169@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: ESR Meter data
Date: Tue, 28 Apr 1998 03:31:40 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Gary;

Interesting gadget. This circuit could be easily built on a piece of perf
board. Everybody's got a 1 mA meter in their boit de junque. Nice
project.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

End of BOATANCHORS Digest 2033

>From ???@??? Wed Apr 29 10:32:16 1998
Message-Id: <199804282005.PAA20656@sco.theporch.com>
Date: Tue, 28 Apr 1998 15:05:09 CDT
Subject: BOATANCHORS digest 2034

BOATANCHORS Digest 2034

Topics covered in this issue include:

- 1) Re: More Farads!
by "Arden Allen" <gumbear@pacbell.net>
- 2) Re: ESR Meter data
by "Mike Feher" <n4fs@monmouth.com>
- 3) Re: HAMMURLAND HQ170A SPEAKER
by "Grant Youngman" <nq5t@gte.net>
- 4) Meterface/Crackle paint cleaning
by Andre Guibert <aguibert@sympatico.ca>
- 5) Re: More Farads!
by Gary Pewitt <gpewitt@execpc.com>
- 6) Re: Grimeton on VLF
by "Ed Santavicca" <santavic@ct.picker.com>
- 7) Re: More Farads!
by Al Klase <skywaves@bw.webex.net>
- 8) Re: More Farads!
by "Mike Feher" <n4fs@monmouth.com>
- 9) Trade: Books?
by Sandy W5TVW <ebjr@worldnet.att.net>
- 10) Abbreviations
by "Charles Moody" <cmoody@brandons.net>
- 11) Re: Abbreviations
by "Roger A. McCarty" <rmccarty@earthlink.net>
- 12) RE: Abbreviations
by "Owens, Clarence" <owensc@nebeng.otis.com>
- 13) Re: Johnson Viking Mobile Transmitter
by "Larry" <rau@wco.com>
- 14) Abbreviations
by "Charles Moody" <cmoody@brandons.net>
- 15) ADMINISTRIVIA: Posting Admin Requests
by listown@jackatak.theporch.com (Mail List Owner)
- 16) DRAKE AGC
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 17) DRAKE AGC
by JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
- 18) Re: Pacific Electronics 610
by "Larry" <rau@wco.com>
- 19) R-388 parts needed
by David Douglas <DDouglas@Crossroads.com>

- 20) RE: Abbreviations
by Ed Sieb <esieb@gmsiworld.com>
- 21) No more farads than necessary.
by "Larry" <rau@wco.com>
- 22) DX-20 Knob & Paint Sources
by "Charles Moody" <cmoody@brandons.net>
- 23) Re: Black Beauties FS
by Richard Loken <richardlo@devax.admin.athabascau.ca>
- 24) Plastic Caps/Black Beauties
by Don <71333.144@compuserve.com>
- 25) RE: 'Hearing' VLF Signals...
by "Roy S. Morgan" <roy.morgan@nist.gov>
- 26) Re: Grimeton on VLF
by gv218!knudsen@gvmail.ih.lucent.com (Michael J Knudsen)
- 27) MORE Re: Grimeton on VLF
by gv218!knudsen@gvmail.ih.lucent.com (Michael J Knudsen)
- 28) BC-348 Receivers
by Ken Corwin <kenc2@pacbell.net>
- 29) WTB Valiant I
by kb5ww@juno.com (George T Folse)

Message-Id: <199804281047.DAA22112@mail-gw.pacbell.net>
From: "Arden Allen" <gumbear@pacbell.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: More Farads!
Date: Tue, 28 Apr 1998 03:48:42 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Dick;

> When replacing the filter condensers in a BA receiver must they be replaced
> with new units of about the same value of capacity? Is there any reason not
> to install units of, say, double the capacity of the originals or more?
Is
> there any advantage to doing so?

There are two things you need to consider when increasing the size of 'lytics:

1. The peak current that the rectifier has to provide to the input capacitor will approximately double if you double the microfarads. That could be rough on the tube. Study peak current ratings for the tube. One way to cheat is use a 5R4 to replace a 5Y3; same filament amps.

2. Filter circuits with chokes will resonate and become goofy if too much capacitance is added. Experiment here. Doubling microfarads will not likely cause problems but be warned.

Arden Allen KB6NAX Vallejo, CA gumbear@pacbell.net

Message-ID: <001701bd7296\$bae3e400\$4fa10b9e@mils179.monmouth.army.mil>
From: "Mike Feher" <n4fs@monmouth.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: <n4fs@monmouth.com>
Subject: Re: ESR Meter data
Date: Tue, 28 Apr 1998 07:13:52 -0400
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Maybe it was and maybe it was not the motivation for the start of this thread, but Alan Douglas has an article in this months ARC about ESR and his approach to measuring it. 73 - Mike

Mike Feher, N4FS
89 Arnold Blvd.
Howell, NJ, 07731
732-901-9193

Message-Id: <199804281225.HAA14888@smtp2.mailsrvcs.net>
From: "Grant Youngman" <nq5t@gte.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Apr 1998 07:24:28 -0600
MIME-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7BIT
Subject: Re: HAMMURLAND HQ170A SPEAKER

Gentlemen:

I was asked if I knew anyone else who might be interested in this stuff, since I'm fresh out of space and money :-)

Please reply directly to Jeffrey Clarine (KI0LY) at
mailto:clarine@dm.deskmedia.com. Please do NOT reply to me. Thanks

> I have an all original Hammurland HQ170A with speaker. Works and
> looks super. Also a Hallicrafters HT32 transmitter that was part of
> the package. It's all there including the knobs, the cabinet is a
> little rusty and it has NOT been given the smoke test.
>
> Hammurland: \$225
> Hallicrafters: \$100
>
> Hitch: the hitch is that I have no time to crate the stuff up. It
> needs to be picked up at my place about 40 miles south of
> Minneapolis.

Date: Tue, 28 Apr 1998 08:50:44 -0400 (EDT)
Message-Id: <199804281250.IAA09440@smtp11.bellglobal.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
To: Old Tube Radios <boatanchors@theporch.com>
From: Andre Guibert <aguibert@sympatico.ca>
Subject: Meterface/Crackle paint cleaning

Bonjour to All
Would appreciate a reminder as to the best ways to
clean crackle paint and restore yellowed meter faces.
A Ferris sig. gen. model 22 is the object of restoration,
ca. 40's.
Andre

Date: Tue, 28 Apr 1998 07:56:03 -0500 (CDT)
From: Gary Pewitt <gpewitt@execpc.com>
To: Old Tube Radios <boatanchors@theporch.com>
cc: boatanchors@theporch.com
Subject: Re: More Farads!
Message-ID: <Pine.GS0.3.95.980428074443.10878A-100000@earth>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

Dick, stick within the tolerance on the capacity but up the voltage rating
except on electrolytics. Too much capacity can cause problems. +20% is
about the most you should increase the rating on caps. Most of the
tolerances were about +/- 20 per cent anyway. No real advantage to more

and can cause problems with inrush current stressing the other components. A big capacitor acts like a short circuit for a short time while it is first charging up. Electrolytics should be run at no less than 70% of their voltage rating. Don't know why. We have now passed beyond my knowledge of electronics and any more details will have to come from some of our better educated list members. Bobbi can probably do a dissertation on the subject and I look forward to reading it. 73 Gary

On Mon, 27 Apr 1998, Dick Dillman wrote:

>
> When replacing the filter condensers in a BA receiver must they be replaced
> with new units of about the same value of capacity? Is there any reason not
> to install units of, say, double the capacity of the originals or more? Is
> there any advantage to doing so?
>
> Regards,
>
> Dick
>
>
> Dick Dillman
> <ddillman@igc.apc.org>
> WPE2VT W6AWO
> Collector Of Heavy Metal:
> Harleys, Willys and Radios Over 100lbs.
>
>
>
>

gpewitt@execpc.com N9ZSV 414 355 8147
Gary Pewitt 6120 W. Calumet Rd. Apt 204
Milwaukee, WI 53223. Boatanchor buff

From: "Ed Santavicca" <santavic@ct.picker.com>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Apr 1998 09:20:17 -0500
Mime-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7BIT
Subject: Re: Grimetton on VLF
Message-Id: <E04B051D83@ct1.ct.picker.com>

Don,

Off hand, I don't remember. I'll look this evening and let you know. I was planning to use a passive LC filter at the antenna to start with before going into the B&K. I tried to listen to Schumann Resonance about 6mo ago and had an overwhelming amount of 60 Hz noise to deal with. I wasn't successful hearing anything useful. BTW, if you're interested in Schumann resonance, there is a URL on the subject.

<http://galaxy.cau.edu/tsmith/Schumann.html>

73

Ed Santavicca

Lakewood, Ohio
AA8TV

On 27 Apr 98 at 22:09, Don L. Davis wrote:

> 000PS! I just re-read your email. You HAVE a B & K meter. Disreagard
> previous post. What is the sensitivity of your unit? If below -90dB,
> then my earlier post re: pre-amplifier will still pertain.

>

> 73s DD

>

>

>

Message-ID: <3545DCB5.3DA687A5@bw.webex.net>

Date: Tue, 28 Apr 1998 09:42:13 -0400

From: Al Klase <skywaves@bw.webex.net>

MIME-Version: 1.0

To: Old Tube Radios <boatanchors@theporch.com>

CC: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: More Farads!

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Dick Dillman wrote:

>

> When replacing the filter condensers in a BA receiver must they be replaced
> with new units of about the same value of capacity? Is there any reason not
> to install units of, say, double the capacity of the originals or more? Is
> there any advantage to doing so?

>

The main problem is replacing the FIRST cap in a capacitor input filter with a larger value. This has the effect of increasing the B+. You shouldn't be worried about replacing an 8 with a 10 (the originals had a typical tolerance of +80 to -20%), but don't double or triple or quadruple the value. Further down the line, extra capacitance will sometimes be useful to reduce the hum level in the set.

73,

Al

--

Al Klase - N3FRQ

skywaves@bw.webex.net

Flemington, NJ 08822

Web Page: <http://www.webex.net/~skywaves/home.htm>

Message-ID: <000801bd72b1\$d42ae240\$4fa10b9e@mils179.monmouth.army.mil>

From: "Mike Feher" <n4fs@monmouth.com>

To: Old Tube Radios <boatanchors@theporch.com>

Cc: "Old Tube Radios" <boatanchors@theporch.com>

Subject: Re: More Farads!

Date: Tue, 28 Apr 1998 10:27:43 -0400

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

In some high impedance power supplies, like the ones using selenium rectifiers, a substantially larger electrolytic can actually reduce the voltage due to the fact that the larger value electrolytics typically have a correspondingly higher acceptable leakage current. 73 - Mike

Mike Feher, N4FS

89 Arnold Blvd.

Howell, NJ, 07731

732-901-9193

Mime-Version: 1.0

Content-Type: text/plain; charset="us-ascii"

To: Old Tube Radios <boatanchors@theporch.com>

From: Sandy W5TVW <ebjr@worldnet.att.net>

Subject: Trade: Books?

Date: Tue, 28 Apr 1998 14:24:02 +0000

Message-ID: <19980428142400.AAA24709@LOCALNAME>

Couple of items here that I would like to trade.

Hammarlund SP-600-J, SP-600-JX original manual. Issue 6 (May 1956).
Includes 3 leaf foldup color brochure.

Microlog Corporation ATR-6800 communications terminal, complete
factory manual.

Both are complete and in good condition.

Would like to trade for pre-1940 ARRL/Jones handbooks, Old
radio/wireless
textbooks, what have you?

73,

E. V. Sandy Blaize, W5TVW

"Boat Anchors collected, restored, repaired, traded and used!"

417 Ridgewood Drive

Metairie, LA., 70001

Again looking for a Hallicrafters SR-75 *

860 Hartley 'ECO' construction "on hold"**

*** Looking for a TRC-10 transceiver *****

*** Looking for an RAL receiver *****

Message-ID: <000301bd72b6\$e7540720\$63a031cc@cmoody>

From: "Charles Moody" <cmoody@brandons.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Abbreviations

Date: Tue, 28 Apr 1998 10:04:11 -0500

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

What does NOS stand for??

Charles

N4PI

From: "Roger A. McCarty" <rmccarty@earthlink.net>

To: Old Tube Radios <boatanchors@theporch.com>

Subject: Re: Abbreviations

Date: Tue, 28 Apr 1998 08:30:31 -0700

Message-ID: <01bd72ba\$944e87e0\$9aa9d9cf@accurate-1>

MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

New Old Stock

New parts that have been on the shelf for awhile. Intended to infer a part that is no longer currently manufactured and/or not available from standard parts sources.

Roger KD6CC

-----Original Message-----

From: Charles Moody <cmoody@brandons.net>
To: Old Tube Radios <boatanchors@theporch.com>
Date: Tuesday, April 28, 1998 8:03 AM
Subject: Abbreviations

>What does NOS stand for??
>Charles
>N4PI
>
>

Content-return: allowed
Date: Tue, 28 Apr 1998 11:40:00 -0400
From: "Owens, Clarence" <owensc@nebeng.otis.com>
Subject: RE: Abbreviations
To: Old Tube Radios <boatanchors@theporch.com>
Message-id: <0ES4RPX000008Y@mailman.otis.com>

Hi Charles and all,

NOS stands for New Old Stock. It's used pretty freely in the sense that many people may have owned "it" but the presumption is that nobody ever actually used it and the thing is still in its original packaging.

To me it's similar to the way "Mint" means a lot of somewhat different things to different people. Both are best seen to be believed, unless you know the individual, or the price is low enough that the exact condition isn't too important.

73,

Clare Owens N2RJB

owensc@nebeng.otis.com

From: Charles Moody
To: Old Tube Radios
Subject: Abbreviations
Date: Tuesday, April 28, 1998 11:04AM

What does NOS stand for??
Charles
N4PI

Message-Id: <199804281549.IAA24656@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: Johnson Viking Mobile Transmitter
Date: Tue, 28 Apr 1998 08:43:51 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

I have sold them for anywhere from \$ 65 (recently for one in 7.5 cosmetic condx) and now he owes ME a favor.,... to \$ 150 for a very nice one to a collector....the mobile vfo is rarer than the transmitter and worth an easy hundred if you have it..

I have foolishly sold my Viking mobiles and know i will regret it.. as they are a quart in a pint pot.

All it takes is a home brew power supply, a gonset converter and an old car radio to make a nice little am station.

Wanna trade ?

Message-ID: <003101bd72c0\$d4125360\$43a031cc@cmoody>
From: "Charles Moody" <cmoody@brandons.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Abbreviations
Date: Tue, 28 Apr 1998 11:15:14 -0500
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gentlemen....Thanks for the info on NOS. I feel I have a good idea what to expect from items labeled NOS now. I'm new to this BoatAnchor list and really appreciate your help. Hopefully I can become a contributor in a while instead of just asking questions. Thanks again.

Charles
N4PI

Message-Id: <199804281615.LAA11314@jackatak.theporch.com>
From: listown@jackatak.theporch.com (Mail List Owner)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: ADMINISTRIVIA: Posting Admin Requests
Date: Tue, 28 Apr 98 11:15:00 CDT

Gang-

Please accept this periodic posting as it is intended:
A suggestion that will help everyone on the list...

If there is a problem with your email, i.e., the list suddenly stops coming to you, or if you have problems with someone else's mail, PLEASE address any questions to, and seek help from:

listown@jackatak.theporch.com

There is really no one on the list who can help you with a problem, and if I don't happen to see your post, nothing will happen, except you may irritate the other list members... needlessly.

This is *especially* true of the "XXXX YYYY your mail is bouncing, please send me a good address"

If your mail to this person is bouncing, in all likelihood, either you have the address a bit wrong, or s/he isn't receiving mail from ANYWHERE *especially* not from the list, which is delivered as "Bulk!"

Treat the list as a symposium.

In such an environment, with many folks attending who have paid to be here, it is unlikely you would take up the symposium's resources to solve an individual problem with your seating...

So, if you encounter a problem, PLEASE remember to send your questions to me, the one person who can help, at:

listown@jackatak.theporch.com

Thanks for your attention

--

73

Jack, W4KH/Mobile - - - BoatAnchor Mailing List Owner - - -
listown@jackatak.theporch.com - "Plus ca change, plus c'est la meme chose"
"Il n'y a que les idiots qui ne changent jamais d'idee"

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Tue, 28 Apr 1998 12:14:32 -0400 (EDT)
Subject: DRAKE AGC
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9804281214.aa02208@pcusa01.ecunet.org>

> I had a R-4A that i sent back to Drake twice in 12 years. The first
> time I was having a problem with the gears in the PTO and Drake
> installed the R-4B PTO.

SOP.

> The second time they midified the AGC and it did pop more than the
> original. The problem was the AGC would vary unexpectedly.

Hmmm.

> John is right on...Seems Drake usually put in the newest mods when gear
> was returned to them for repair or just for factory alignment. They did
> not ask they just did it!

But only if the mods were practical, as some needed mechanical changes.

> The only circuit they did not touch was the filters. All pre-R-4C had
> selectable filters for .5, 1.8, and 2.4Mhz.

Actually 0.4, 1.2, 2.4 & 4.8 kHz. And not really discrete 'filters' as
such, they switched components in the 50 kHz final IF stages.

> The R-4C changed to plug in filters (optional cost). The R-4C modified
> the dial to read analog 1 khz rather than using the dial skirt to read 1
> khz while the main dial was 5 or 10 Khz.

The R-4C was *very* different from predecessors.

> BTW: many top 160 meter ops still prefer the Drake line for serious 160
> work. Riki 4X4NJ is a prime example.

Check out various BA rx specs at Sherwood's www page (sherweng.com),

Sherwood-modified R-4C is tops.

-John Sehring (written on Mon, Apr 27, 1998 at Custer, SD) UCC WB2EQG

MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit
Date: Tue, 28 Apr 1998 12:14:32 -0400 (EDT)
Subject: DRAKE AGC
To: Old Tube Radios <boatanchors@theporch.com>
From: JOHN_SEHRING.parti@ecunet.org (JOHN SEHRING)
Message-ID: <9804281214.aa02242@pcusa01.ecunet.org>

To: boatanchors@theporch.com

> >I wonder which other -4B circuitry you have in your -4A?

> My R-4A, compared to my R-4 has:
> ss BFO, PD, AVC amp and audio preamp (Q7 and Q8)
> Bipolar PTO (2N706, 2N3858)
> 6BA6 xtal calib.
> Better AVC and smoother audio.

I thought you said the AGC popped?! The only non-4A things are the BFO, AGC & audio driver. Is there a cover where the AF driver tube used to be (in the R-4)?

> I guess what I want is an early R-4A with an R-4C PTO and dial.

No can have. You can easily read the dial to better than 1 kHz. And the -4B FET PTO is extremely stable almost from turn on. I've actually plotted the tube-type, bipolar & FET PTO's for drift.

> Tnx also to Dave, K4JRB, for info re Drake updates I hadn't known.

Share this with us?

-John Sehring (written on Mon, Apr 27, 1998 at Custer, SD) UCC WB2EQG

Message-Id: <199804281619.JAA07581@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: "boatanchors" <boatanchors@theporch.com>
Subject: Re: Pacific Electronics 610
Date: Tue, 28 Apr 1998 09:13:56 -0700
MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

hue... not in riders under that name.. show pacific radio and something else similar...you may find it was made by another company and that PECO put thier name on it.. or that it was a mil issue only (several like that) and never made it into riders...sometimes you can find these things by tube line up and laborious page flipping under a totally different name...and model number and maker.

sorry W6WUH

Message-ID: <314ACE6CA104D111993000805FE6BC262BC8E9@CSIRAS.Crossroads.com>
From: David Douglas <DDouglas@Crossroads.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: R-388 parts needed
Date: Tue, 28 Apr 1998 11:13:11 -0500
MIME-Version: 1.0
Content-Type: text/plain

I'm looking for the following R-388 parts:

- 1) Cabinet
- 2) I have a spinner knob, but it does not have the spinner handle. Does anyone have the little handle that goes with the knob?
- 3) vertical rack bars (the ones that you grap to pull the radio out/in)

Thanks,
David, W5TN

David M. Douglas
ddouglas@crossroads.com
Phone (512)794-2737 Fax(512)349-0304

Crossroads Systems, Inc.
Austin, TX & San Jose, CA
"Providing paths to connectivity"

Message-ID: <01BD72A0.BD960020@gomer.gmsiworld.com>
From: Ed Sieb <esieb@gmsiworld.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: Abbreviations
Date: Tue, 28 Apr 1998 12:25:26 -0400

MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: 7bit

Hello Charles and all BA'ers...
Here are some abbreviations, for your edification...

NOS= "New Old Stock
NIB= "New In Box"
NOSB= "New Old Stock Boxed" (I think)
OB= "Original Box"

Hope this is usefull. There are others, but that data-base is innaccessible right now (in other words... I can't remember ;-)

Ed, VA3ES

From: Charles Moody[SMTP:cmoody@brandons.net]
Sent: Tuesday, April 28, 1998 11:04 AM
To: Old Tube Radios
Subject: Abbreviations

What does NOS stand for??
Charles
N4PI

Message-Id: <199804281627.JAA11160@shell.wco.com>
From: "Larry" <rau@wco.com>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: No more farads than necessary.
Date: Tue, 28 Apr 1998 09:21:34 -0700
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

It is hard to find a faster way to fry a good power transformer than to start loading it up with excess filter capacity...this is a case where more is NOT better...as in choke input filters (most older BA's) there is a designed resonant freq.. and you alter that at your peril.

Substituting the nearest modern value won't cause problems assuming the difference is about 10%.

But using a 44 ufd in place of a 10, 15, or 20 is a no no in most receivers and exciters.

W6WUH

Message-ID: <001d01bd72cb\$b8e6c160\$42a031cc@cmoody>
From: "Charles Moody" <cmoody@brandons.net>
To: Old Tube Radios <boatanchors@theporch.com>
Subject: DX-20 Knob & Paint Sources
Date: Tue, 28 Apr 1998 12:33:12 -0500
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

It's been too many years, but I'll try this anyway. I need the large knob (Heath P/N 462-26, I believe) that goes on the left side of the DX-20 cabinet and covers the hole for the crystal socket. Also, seems I remember there was someone who made up paint colors that duplicated the original colors of equipment like Heath, E.F. Johnson and others. You could buy the spray can of the original colors from this source. Does anyone know this source?? I'm also interested in responses to Andre Guibert's message abt crackle finishes and yellowed meter facings. BTW thanks again for all the info in abbreviations.

Charles
N4PI

Date: Tue, 28 Apr 1998 11:29:23 -0600 (MDT)
From: Richard Loken <richardlo@devax.admin.athabascau.ca>
Subject: Re: Black Beauties FS
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>,
 ~richardlo@devax.admin.athabascau.ca
Message-id:
 <Pine.PMDF.3.95.980428112552.541065881A-1000000@devax.admin.athabascau.ca>
MIME-version: 1.0
Content-type: TEXT/PLAIN; charset=US-ASCII

On Mon, 27 Apr 1998, Don L. Davis wrote:

> After spending about 8 hours replacing Black Beauties (some shorted,
> most cracked, and all the rest leaking badly) and several burned
> resistors in a newly acquired SP-600, I went through my cap collection &
> chucked a few hundred of these in the trash (Black Beauties that is -
> not SP600s). About half were brand new.

>
> If anyone buys Bill's Black Beauties here's the tip for installing them
> in your radio:

Well, actually up here in the cold, dry, boreal forest I don't see a lot of dead capacitors but I won't take Bill's, he lives in Florida I think? Isn't Florida where one might plant a heater under a chassis to keep the moss and mold from growing.

My radios don't get pitted or rusty either - even if the paint has been scraped off. How can you guys live in all that wet?

Well yes, electrolytics dry out but they are neither black nor beauties.

Richard Loken VE6BSV, Systems Programmer - VMS
Athabasca University
Athabasca, Alberta Canada
** richardlo@admin.athabascau.ca **

Date: Tue, 28 Apr 1998 13:57:36 -0400
From: Don <71333.144@compuserve.com>
Subject: Plastic Caps/Black Beauties
To: Old Tube Radios <boatanchors@theporch.com>
Message-ID: <199804281400_MC2-3B43-632C@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: 7bit
Content-Type: text/plain; charset=us-ascii
Content-Disposition: inline

I think the failure rate of black beauties and other plastic caps transcends the question of humidity. These things just did not pass the test of time. I throw them away, NOS or otherwise, without a second thought. My time is such a precious resource that I would not even consider wasting it fiddling with questionable parts.

Plastic caps, especially black beauties, are definitely questionable parts.

..my 2 cents...

73, Don

Message-Id: <01BD72B4.4386CF30.roy.morgan@nist.gov>
From: "Roy S. Morgan" <roy.morgan@nist.gov>
To: Old Tube Radios <boatanchors@theporch.com>
Cc: Old Tube Radios <boatanchors@theporch.com>
Subject: RE: 'Hearing' VLF Signals...
Date: Tue, 28 Apr 1998 14:45:17 -0400

Anchorites,

On a recent trip to NSS, Naval Transmitting Station Annapolis Maryland, the antenna technician told us that people who drove out under the antenna while it was operating would have no trouble at all when they left their car. When they reached for it to get back in, however, ZAAAP! According to one report, no male child was born to any full-time station personnel during it's 25 year operating period.

The station operated with 800 kilowatts at 24.5 kilocycles into a one-mile long top hat antenna with its center at 1200 feet and periphery at about 800 feet. Each of the two paralleled transmitters operated with 19 kilovolts at 17 amperes in each final tube. The station could be heard world wide, but it's normal customers were submarines at 50 to 60 foot depth in the Atlantic, North Atlantic, and the Mediterranean. The station crew never knew what was being transmitted, since the information was encrypted in places like Norfolk, VA, and arrived by landline.

The 5 to 15 cycle narrow Frequency Shift Keying placed the actual transmitted signals fairly well down the skirts of the high-Q antenn systems response, so the antenna was tuned to result in equal currents for mark and space. High winds would move the antenna enough to de-tune it and demanded close attention from the operator.

----Roy Morgan, K1LKY since 1959
Hydrodynamics/Hydroacoustics Technology Center
Naval Surface Warfare Center, Carderock Division
9500 MacArthur Boulevard
West Bethesda, MD 20817-5700
301-227-3827/3855 FAX: 301-227-3884----

-----Original Message-----

From: Bob Roehrig [SMTP:broehrig@admin.aurora.edu]

...

Subject: Re: 'Hearing' VLF Signals...

On Mon, 27 Apr 1998, Jack Harper wrote:

... curious if it is
> possible to audibly hear the station, if you are close enough,
through
> rectification by teeth filings, vibrating metal objects, etc
etc etc??

A friend of mine told me that a pickup truck blew up when they
drove it
near the LORAN antenna farm in Dana, IN.

Date: Tue, 28 Apr 1998 13:52:50 -0500
Message-Id: <199804281852.NAA01165@gv218.ih.lucent.com>
From: gv218!knudsen@gvmail.ih.lucent.com (Michael J Knudsen)
To: Old Tube Radios <boatanchors@theporch.com>
Subject: Re: Grimeton on VLF

To: boatanchors@theporch.com

Oh yes. Last year, I made what I considered a valiant (small v) effort
to copy the Swedish xmsn. I had a fine-working Navy RAK-7 TRF
regenerative rx (you can buy 'em smaller and lighter, but never
better -- this rig blew away the RBL I also had last year and
also outweighed it 2:1 :-). This was on a 65' Alpha-Delta Sloper
antenna with loading coils, that picks up BC band sigs to knock
your ears off on a crystal set and was dynamite on LW air beacons.

I could dial up WWVB on 60 KC anytime and there it would be, like
a rock. On the RBL also.

And I used a freq meter and audio sig gen to make darn sure I
was on 17.20 KC or whatever it was. And I told my XYL I was
getting up at 3 AM to listen for this, and she actually was supportive!

Well, fact is I didn't hear a lick (well, maybe thought I heard a
dash or two, but the goo between your ears can play tricks ya
know). Like the realtors say: QTH, QTH, QTH! West of Chicago is
just too far from Scandihoovia.

The only person on this BA List who reported success (and not
exactly solid copy) was in Massachusetts.

Well, next year ('99) I'll be living in MAINE, so take that!
Provided I find another VLF rig (I sold both of mine), and my new
house is big enough for it. Hmmm, maybe splice an 88 mH toroid
into my MFJ regen kit, but wrong newsgroup.

73 es gud luck anyway from NJ -- mike k aa9rg

Date: Tue, 28 Apr 1998 13:59:19 -0500
Message-Id: <199804281859.NAA01171@gv218.ih.lucent.com>
From: gv218!knudsen@gvmail.ih.lucent.com (Michael J Knudsen)

To: Old Tube Radios <boatanchors@theporch.com>
Subject: MORE Re: Grimeton on VLF

To: boatanchors@theporch.com

My experience with a Sierra hollow-state unit convinced me that freq-selective VTVMs, while really nifty gadgets, don't have the sensitivity nor front-end resonant selectivity and impedance matching to make good VLF rcvrs. My Sierra was calibrated down to -70 dBm (if I recall right) but wouldn't even get WWVB on 60 KC and only the most local of airport beacons.

Now if your VTVM goes down to -100 dBm or whatever, you may stand a chance. If you hear lots of tunable static and noise when you hook it to your longest & strongest antenna, and can hear all the known VLF sigs (mostly narrow-shift RTTY, all encrypted, totally useless), then what the heck, you can stand to get up when you'd normally hit the bathroom anyway and give a listen.

BTW, those freq-selective VTVMs are great Q5-ers for outboard SSB demodulation of a rcvr's IF, and also great for tracking down troubles in a rcvr's IF strip (including 1925 homebrew superhets). But as VLF rx mine doesn't cut it.

Gud luck es 73, mike k aa9rg

Message-ID: <35462A4F.7375@pacbell.net>
Date: Tue, 28 Apr 1998 12:13:19 -0700
From: Ken Corwin <kenc2@pacbell.net>
MIME-Version: 1.0
To: Old Tube Radios <boatanchors@theporch.com>
Subject: BC-348 Receivers
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hello Everyone,

In the interest of accuracy, I would like to offer the following list of the contractors who manufactured BC-348s, their US Army contractor code and the models they made:

Contractor	Code	Models Manufactured
Belmont	CDL	H, K, L, R, S (a remanufactured C)
RCA	CRV	B, C, O
Stromberg-Carlson	CCT	E, M, P

Wells Gardner CWQ J, N, Q

I have no information on BC-348 models D, F, G, or I if, in fact, they ever existed. If anyone can offer information on these models, it will be appreciated greatly.

There is a file in the Boatanchors archive, bc348.history.txt, that will provide more information about BC-348s than you ever wanted to know. A new revision will be placed in the archive in the near future.

Regards, Ken Corwin, KF6NUR Santa Clarita, CA kenc2@pacbell.net

To: Old Tube Radios <boatanchors@theporch.com>
Date: Tue, 28 Apr 1998 15:05:02 -0500
Subject: WTB Valiant I
Message-ID: <19980428.150505.9446.0.kb5wwwo@juno.com>
From: kb5wwwo@juno.com (George T Folse)

All,
I am still looking for a Valiant in good working condition
Thanks,

George Folse III KB5WWO kb5wwwo@juno.com or kb5wwwo@bellsouth.net
630 Dolhonde St.
Gretna, La. 70053
504-362-1896 ph/fax
Collector of Johnson, Heath, & Atwater Kent AMI#937

You don't need to buy Internet access to use free Internet e-mail.
Get completely free e-mail from Juno at <http://www.juno.com>
Or call Juno at (800) 654-JUNO [654-5866]

End of BOATANCHORS Digest 2034
